

Record Display Form

[First Hit](#)[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)[Generate Collection](#)[Print](#)

L19: Entry 35 of 40

File: DWPI

Nov 1, 1985

DERWENT-ACC-NO: 1985-313657

DERWENT-WEEK: 198550

COPYRIGHT 2005 DERWENT INFORMATION LTD

TITLE: Pretreatment for annealing cold-rolled stainless steel strip - involves applying sodium or calcium hydroxide aq. soln. after decreasing

PATENT-ASSIGNEE:

ASSIGNEE

CODE

KAWASAKI STEEL CORP

KAWI

PRIORITY-DATA: 1984JP-0074406 (April 13, 1984)

 [Search Selected](#) [Search ALL](#) [Clear](#)**PATENT-FAMILY:**

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<input type="checkbox"/> <u>JP 60218429 A</u>	<u>November 1, 1985</u>		005	
<input type="checkbox"/> <u>JP 92047011 B</u>	<u>July 31, 1992</u>		005	C21D009/52

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP 92047011B	April 13, 1984	1984JP-0074406	
JP 92047011B		JP 60218429	Based on

INT-CL (IPC): C21D 1/70; C21D 1/72; C21D 9/52; C23F 11/00

ABSTRACTED-PUB-NO: JP 60218429A

BASIC-ABSTRACT:

After cold-rolling, the surface of steel strip is degreased and NaOH or Ca(OH)2 aq. soln. adjusted to pH 9-13 is successively applied to the surface before continuous annealing and descaling.

USE/ADVANTAGE - Esp. for the treatment of ferrite stainless steel. By applying NaOH or Ca(OH)2 aq. soln., scaling of the strip is suppressed during annealing. Efficiency of descaling is improved, productivity is greatly enhanced and descaling costs decreased.

In an example, a test piece taken from cold-rolled ferrite stainless steel strip (SUS 430) 1 mm thick was degreased with alkali degreasing agent contg. ortho-sodium silicate and dipped into Ca(OH)2 aq. soln. adjusted to pH 12. The test piece was then annealed in an atmos. consisting of 5 vol.% O2, 9 vol.% CO2 and the balance N2 at 850 deg.C for 3 min. The oxidn. increase was 70 mg/sq.m.